

PUBLIC WORKS COMMISSION REQUEST FOR ACTION

Item No. PWC 8-22

SUBMITTED TO: Chairman Rivera and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works

DATE: June 18, 2008

SUBJECT: Update of Speed Surveys and Speed Limits

<u>Statement of Issue</u>: The California Vehicle Code requires periodic review and updating of posted speed limits on various streets within the City. Posted limits enable the Police Department to continue using speed-measuring devices for enforcement.

<u>Funding Source</u>: Funds for the implementation of recommended speed limit changes are included in the Public Works Department operating budget.

<u>Recommended Action</u>: Motion to concur with staff's recommendation for posted speed limits as summarized in Attachment 1, mapped in Attachment 3, and presented in detail in Attachment 4, and recommend that the City Council take appropriate action to implement the speed limit changes.

The recommendation includes reaffirming current speed limits on 54 of the 66 surveyed street segments. Five mile per hour (mph) speed limit increases are recommended on the following four street segments:

- 1) Bolsa Chica Street from Edinger Avenue to Rancho Road from 45 to 50 mph
- 2) Edwards Street from Warner Avenue to Edinger Avenue from 40 to 45 mph
- 3) Promenade Parkway from Gothard Street to Main Street from 30 to 35 mph
- 4) Yorktown Avenue from Lake Street to Beach Boulevard from 35 to 40 mph

Five mile per hour speed limit decreases are recommended on the following eight street segments:

- 1) Bushard St. from Brookhurst St. to Hamilton Ave. from 45 to 40 mph
- 2) Bushard St. from Hamilton Ave. to Indianapolis Ave. from 45 to 40 mph
- 3) Bushard St. from Indianapolis Ave. to Yorktown Ave. from 45 to 40 mph
- 4) Huntington St. from PCH to Atlanta Ave. from 35 to 30 mph

G-2

Update of Speed Surveys and Speed Limits June 18, 2008 Page 2

- 5) Lake St. from Orange Ave. to Indianapolis Ave. from 35 to 30 mph
- 6) Newland St. from I-405 to Edinger Ave. from 45 to 40 mph
- 7) Palm Ave. from Goldenwest St. to Seapoint Ave. from 40 to 35 mph
- 8) Saybrook St. from Humboldt Dr. to Edinger Ave. from 40 to 35 mph

<u>Alternative Action(s)</u>: Identify conditions that warrant reconsideration of recommended speed limits as identified by the Public Works Commission.

<u>Analysis</u>: City staff has performed the three required elements used to establish posted speed limits in accordance with procedures adopted by the State of California. The three elements used to establish speed limits are:

- 1) Sample existing travel speeds at a representative location within the roadway segment.
- 2) Review the street segment to identify roadway characteristics and conditions that may not be readily apparent to motorists.
- 3) Review accident history.

The review of travel speeds is used to establish a baseline speed limit for a roadway segment. Roadways where all conditions are readily apparent to motorists and do not affect the safe operating speed for the street, and no accident history that may be indicative of these types of conditions exists, generally have a posted speed limit based on the 85th percentile speed or the prevailing speed of traffic (nearest 5 mph increment). When conditions warrant, the State of California procedures for establishing posted speed limits allow for posted speed limits to be reduced by a maximum 5 mph. Applying this reduction requires engineering evaluation and documentation of conditions to demonstrate the need for the lowered speed limit. Case law has shown that the courts will not support speed limit postings that appear to be arbitrary and without demonstrated sound technical support.

Staff has identified several characteristics within most of the roadway segments which may not be apparent to motorists and that would also make a speed limit posting near the 85th percentile speed undesirable under most conditions. In many cases, the conclusions regarding these conditions are supported by the calculated 3-year accident rate for various street segments as shown on the traffic engineering speed survey sheets.

As part of the report to the City Council, staff is including minor amendments to the current Speed Limits Ordinance, Huntington Beach Municipal Code 10.12.

G-22

Update of Speed Surveys and Speed Limits June 18, 2008 Page 3

To simplify the process and in accordance with current recommended practices for posting speed limits, several street segments on Garfield Avenue and Edwards Street are being consolidated into longer segments. Staff is recommending the elimination of Los Patos Avenue as a street requiring an engineering and traffic survey since it meets basic requirements for a residential street zone and a 25 mph speed limit posting. Staff recommends removal of Beach Boulevard and Pacific Coast Highway from our local ordinance since the City does not have jurisdiction over the posting of speed limits on state highways. Staff is recommending one new segment to the ordinance – Quarterhorse Lane south of Ellis Avenue.

Staff has coordinated the speed limit update with the Police Department personnel and they have indicated support for the recommended changes.

Attachments:

- 1) Summary Table of Recommended Speed Limits
- 2) Municipal Code Chapter 10.12 Speed Limits Amendments
- 3) Map of Recommended Speed Limits
- 4) Traffic Engineering Speed Survey Sheets

G-24

ATTACHMENT #1

SUMMARY OF RECOMMENDED SPEED LIMITS - JUNE 2008

		EXISTING		
		POSTED	RECOMMENDED NEW	85th%
STREET	SEGMENT	SPEED	SPEED LIMIT	SPEED
Adams	Lake - Beach	40	40	46
Algonquin	Warner - Heil	35	35	37
Argosy	Bolsa Chica - Graham	40	40	38
Banning	Magnolia - Brookhurst	35	35	42
Bolsa	Bolsa Chica - Springdale	45	45	41
Bolsa Chica	Edinger - Rancho	45	50	52
Brookhurst	PCH - Banning	50	50	52
	Banning - Atlanta	45	45	52
	Atlanta - Adams	45	45	50
	Adams - Garfield	45	45	49
Bushard	Brookhurst - Hamilton	45	40	47
	Hamilton - Indianapolis	45	40	47
	Indianapolis - Yorktown	45	40	47
	Yorktown - Garfield	45	45	50
Center	Gothard - Beach	35	35	39
Channel	Admiralty - Gilbert	30	30	31
Clay	Main - Beach	30	30	33
Coldwater	Adams - Yorktown	30	30	37
Countess	Portofino - Edinger	30	30	32
Davenport	Edgewater - Algonquin	35	35	34
Delaware	Atlanta - Adams	35	35	43
	Adams - Garfield	35	35	39
Edinger	(West) City Limit - Bolsa Chica	45	45	44
Edwards	Garfield - Warner	40	40	47
	Warner - Edinger	40	45	47
	Edinger - Bolsa	40	40	44
Florida	Garfield - Main	30	30	35
Garfield	Seapoint - Goldenwest	45	45	47
Graham	(South) City Limit - Slater	35	35	42
Hamilton	Newland - Magnolia	45	45	42
	Magnolia - (East) City Limit	45	45	46
Heil	Bolsa Chica - Springdale	40	40	47
	Springdale - Goldenwest	40	40	46
	Beach - Newland	40	40	42
Huntington	PCH - Atlanta	35	30	36
	Atlanta - Yorktown	30	30	30
Lake	Orange - Indianapolis	35	30	37
	Indianapolis - Adams	35	35	38
	Adams - Yorktown	35	35	39
Main Street	6th - Adams	30	30	36
McFadden	Bolsa Chica - Chemical	25	25	32
	Chemical - Graham	35	35	40
Newland	Adams - Garfield	45	45	47
	Garfield - Talbert	45	45	48
ĺ	I-405 - Edinger	45	40	45

SUMMARY OF RECOMMENDED SPEED LIMITS - JUNE 2008

STREET	SEGMENT	EXISTING POSTED SPEED	RECOMMENDED NEW SPEED LIMIT	85th% SPEED
Orange	1st - 17th	30	30	31
	17th - Goldenwest	30	30	33
Palm	Main - Goldenwest	30	30	30
	Goldenwest - Seapoint	40	35	37
Peninsula	Summit - Garfield	35	35	35
Promenade	Gothard - Main	30	35	37
QuarterHorse	Ellis- End	25	25	28
Rancho	Bolsa Chica - City Limits	40	40	45
Saybrook	Davenport - Humboldt	30	30	34
	Humboldt - Edinger	40	35	35
Seapoint	PCH Garfield	40	40	41
Sher	Juliette Low - Edinger	30	25	27
Skylab	Springdale - Delta	40	40	44
Springdale	McFadden - (North) City Limit	45	45	45
Summit	Seapoint - Goldenwest	35	35	38
Varsity	Edwards - Talbert	30	30	36
Warner	Algonquin - Graham	45	45	47
	Graham - Edwards	45	45	50
	Edwards - Goldenwest	45	45	49
Yorktown	Goldenwest -Lake	35	35	41
	Lake - Beach	35	40	44

Bold	Indicates segment with recommended speed limit decrease
	Indicates segment with recommended speed limit increase



G-27

ATTACHMENT #2

Chapter 10.12

SPEED LIMITS

(1935-11/74, 1947-12/74, 1997-9/75, 2066-7/76, 2316-10/78, 2325-11/78, 2358-5/79, 2388-9/79, 2421-5/80, Urg Ord 2422-3/80,2432-6/80, 2527-2/82, 2624-7/83, 2654-11/83, 2670-11/83, 2715-9/84, 2878-12/86, 2883-12/86, 3133-8/92, 3187-3/93, 3188-3/93, Urg. 3204-7/93, 3230-4/94, 3272-1/95, 3328-6/96, 3380-12/97, 3383-3/98, 3448-1/00, Urg. 3476-9/00, 3479-12/00, 3495-5/01, 3555-6/02, 3693-2/05)

Sections:

10.12.010 Twenty-five m.p.h. prima facie speed limit

10.12.020 Thirty m.p.h. prima facie speed limit

10.12.030 Thirty-five m.p.h. prima facie speed limit

10.12.040 Forty m.p.h. prima facie speed limit

10.12.050 Forty-five m.p.h. prima facie speed limit

10.12.060 Fifty m.p.h. prima facie speed limit

10.12.065 Fifty-five m.p.h. prima facie speed limit

10.12.070 Speed limits on state highways

10.12.080 Speed limits enumerated

10.12.010 Twenty-five m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of the streets hereinafter set forth, the City Council determines and declares that the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets and that the prima facie limit of speed on a portion of the following streets as listed in Section 10.12.080 shall be and is twenty-five (25) miles per hour. (1935-11/74, 1947-12/74, 2066-7/76, 2421-5/80, 2883-12/86, 3133-8/92, 3272-1/95, 3380-12/97)

10.12.020 Thirty m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of the streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of thirty (30) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is thirty (30) miles per hour. (1935-11/74, 1947-12/74, 1997-9/75, 2066-7/76, 2388-9/79, 2432-6/80, 2527-2/82, 3133-8/92, 3230-4/94, 3272-1/95, 3380-12/97)

10.12.030 Thirty-five m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of the streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of thirty-five (35) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is thirty-five (35) miles per hour. (1935-11/74, 1947-12/74, 2358-5/79, Urg Ord 2422-3/80, 2527-2/82, 2654-11/83, 2670-11/83, 2715-9/84, 2878-12/86, 3133-8/92, 3230-4/94, 3272-1/95, 3380-12/97)

5-2

10.12.040 Forty m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of the streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of forty (40) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is forty (40) miles per hour. (1935-11/74, 1947-12/74, 1997-9/75, 2066-7/76, 2316-10/78, 2358-5/79, 2421-5/80, 2432-6/80, 2527-2/82, 2624-7/83, 2715-9/84, 2878-12/86, 2883-12/86, 3133-8/92, 3230-4/94, 3272-1/95, 3380-12/97)

10.12.050 Forty-five m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of forty-five (45) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is forty-five (45) miles per hour. (1935-11/74, 1947-12/74, 2358-5/79, 2388-9/79, Urg Ord 2422-3/80, 3133-8/92, 3187-3/93, 3188-3/93, Urg. 3204-7/93, 3230-4/94, 3272-1/95, 3380-12/97)

10.12.060 Fifty m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of the streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of fifty (50) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is fifty (50) miles per hour. (1935-11/74, 1947-12/74, 3133-8/92, Urg. 3204-7/93, 3230-4/94, 3380-12/97)

10.12.065 Fifty-five m.p.h. prima facie speed limit. Unless stated otherwise, upon the basis of an engineering and traffic survey of the portions of streets hereinafter set forth, the City Council determines and declares that a speed greater than the prima facie speed limit of twenty-five (25) miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon said streets; that a prima facie speed limit of fifty-five (55) miles per hour is the most appropriate to facilitate the orderly movement of traffic and is reasonable and safe; and that the prima facie limit of speed on a portion of the said streets as listed in Section 10.12.080 shall be and is fifty-five (55) miles per hour. (3133-8/92, 3230-4/94, 3380-12/97)

10.12.070 Speed limits on state highways. The State of California has established that orderly movement of vehicular traffic requires that a reasonable and safe limit be placed upon said streets and that the prima facie limit of speed on a portion of the following streets shall be and is as listed in Section 10.12.080. (3133-8/92)

10.12.080 Speed limits enumerated. Streets are listed alphabetically and categorized up (North) and to the right (East). An asterisk (*) denotes speed limit not set by survey. (3133-8/92, 3230-4/94, 3328-6/96, 3380-12/97, 3383-3/98, 3448-1/00, Urg. 3476-9/00, 3479-12/00, 3555-6/02, 3693-2/05)

C-2

STREET	BETY	SPEED	
1st	РСН	Atlanta	35
Adams	17th	Main Street	25
	Main Street	Lake Street	25
	Lake Street	Beach	40
	Beach	Newland	45
	Newland	Magnolia	45
	Magnolia	Bushard	45
	Bushard	Brookhurst	45
	Brookhurst	Santa Ana River	45
Algonquin	Warner	Heil	35
Argosy	Bolsa Chica	Graham	40
Atlanta	<u>l</u> st	Delaware	30
	Delaware	Beach	35
	Beach	Newland	40
	Newland	Magnolia	45
	Magnolia	Brookhurst	45
Banning	Magnolia	Brookhurst	35
Beach	Pacific Coast Hwy	1320' N/O Ellis	
(State Route 39)	-Postmile 0 0	Postmile 3:25	
	1320' N/O Ellis	North City Limit	45
	Postmile 3.25		
Bolsa	Bolsa Chica	Springdale	45
	Springdale	Edwards	45
	Edwards	Goldenwest	40
Bolsa Chica	South City Limit	Warner	30
	Warner	Heil	45
	Heil	Edinger	45
	Edinger	Rancho	50 45
Brookhurst	РСН	Banning	50
	Banning	Atlanta	45
	Atlanta	Adams	45
	Adams	Garfield	45
Bushard	Brookhurst	Hamilton	40 -45-
	Hamilton	Indianapolis	40 -45
	Indianapolis	Yorktown	40 45-
	Yorktown	Garfield	45 -45-
Center	Gothard	I-405 Fwy	35
Channel	Admiralty	Gilbert	30
Clay	Main	Beach	30
Coldwater	Adams	Yorktown	30
Countess	Portofino	Edinger	30
Davenport	Edgewater	Algonquin	35

STREET	BETWEEN		
Delaware	Atlanta	Adams	35
	Adams	Garfield	35
	Garfield	Main	35
Edinger	West City Limit	Bolsa Chica	45
	Bolsa Chica	Graham	45
	Graham	Springdale	45
	Springdale	Edwards	45
	Edwards	Golden West	40
	Golden West	Gothard	40
	Gothard	Beach	40
	Beach	Newland	40
Edwards	Garfield	-Ellis' Warner	40
	Ellis	Varsity	40
	Varsity	Slater	40
	Slater	Warner	40
	Warner	Holl Edinger	40
	-Heil	Edinger	40
	Edinger	-McFadden- Bolsa	40
	McFadden	Bolsa	40
	Bolsa	North City Limit	40
Ellis	Edwards	Golden West	45
	Golden West	Gothard	45
	Gothard	Delaware	40
	Delaware	Beach	35
	Beach	Newland	40
Florida	Garfield	Main	30
Garfield	Seapoint	Edwards Goldenwest	45
	Edwards	Golden West	45
	Golden West	Main Street	45
	Main Street	Beach	35
	Beach	Newland	40
	Newland	Magnolia	45
	<u>Magnolia</u>	Bushard	45
	Bushard	Brookhurst	45
	Brookhurst	Ward	45
Goldenwest	PCH	Palm	50
	Palm	Yorktown	50
	Yorktown	Ellis	50
	Ellis	Talbert	50
	Talbert	Slater	50
	Slater	Warner	45
	Warner	Heil	45
	Heil	Edinger	45
	Edinger	McFadden	45
	McFadden	Bolsa	45

G-2"

STREET	BET	SPEE	
Gothard	Garfield	Ellis	40
	Ellis	Talbert	40
	Talbert	Slater	40
	Slater	Warner	40
	Warner	Heil	40
	Heil	Edinger	40
	Edinger	Center	40
	Center	McFadden	40
	Main	Garfield	40
Graham	South City Limit	Slater	35
	Slater	Warner	40
	Warner	Heil	35
	Heil	Edinger	40
	Edinger	McFadden	45
	McFadden	Bolsa	45
Hamilton	Newland	Magnolia	45
	Magnolia	East City Limit	45
Heil	Saybrook	Bolsa Chica	35
Hen	Bolsa Chica	Springdale Springdale	40
	Springdale	Golden West	40
	Golden West	Beach	40
	Beach	Newland	40
	Newland	East City Limit	35
II			
Huntington	PCH Atlanta	Atlanta Yorktown	<u>30 35</u>
	Yorktown		30 25
		Taylor	an an indicate in the second
Indianapolis	Lake	Beach	30
	Beach	Newland	40
	Newland	Magnolia	40
	<u>Magnolia</u>	Bushard	40
	Bushard	Brookhurst	40
Lake	Orange	Indianapolis	30 - 35
	Indianapolis	Adams	35
	Adams	Yorktown	35
Los Patos	Warner	Bolsa Chica	30
Magnolia	РСН	Banning	40
Ū	Banning	Hamilton	45
	Hamilton	Atlanta	45
	Atlanta	Indianapolis	45
	Indianapolis	Adams	45
	Adams	Yorktown	45
	Yorktown	Garfield	45
	Warner	I-405 (San Diego Fwy)	45
Main Street	PCH	6th	25
	6 th	Adams	30
	Adams	Yorktown	35
	Yorktown	Garfield	40
	Garfield	Delaware	40
	Delaware	Ellis/Beach	35

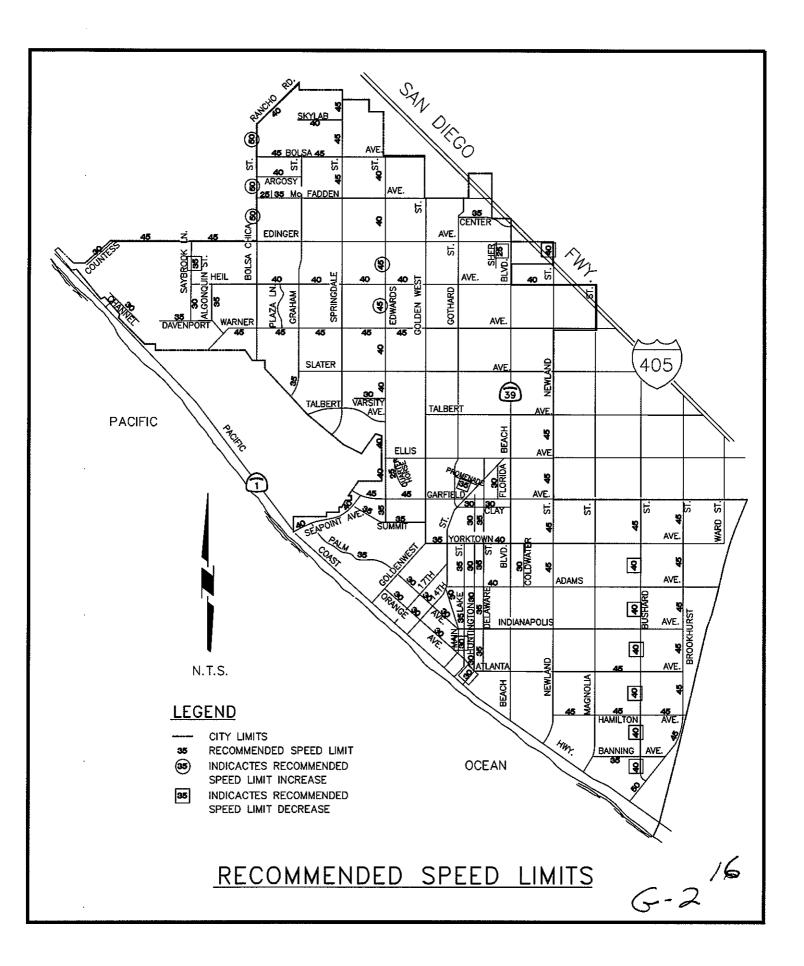
STREET	BETV	BETWEEN		
McFadden	Bolsa Chica	Chemical	25	
	Chemical	Graham	35	
	Graham	Springdale	45	
	Springdale	Edwards	45	
	Edwards	Golden West	45	
	Golden West	Gothard	45	
	Gothard	East City Limit	40	
Newland	РСН	Hamilton	35	
	Hamilton	Atlanta	45	
	Atlanta	Indianapolis	45	
	<u>Indianapolis</u>	Adams	45	
	Adams	Garfield	45	
	Garfield	Talbert	45	
	Talbert	Warner	45	
	Warner	-Heil- I-405	45	
	-Heit I-405	Edinger	40 -45	
Orange	1st	17 th	30	
	17th	Golden West	30	
PCH	South City Limit	Brookhurst	55	
(State-Route-1-)	- Brookhurst		55	
	Magnolia	Newland	5 5	
	Newland	900' S/O Beach	55	
	900' S/O Beach	Huntington	45	
	Huntington	800' N/O Huntington	45-	
	800' N/O Huntington	Main	35	
	Main	160° S/O 12th	35	
	160' S/O 12th	17th	45	
	17th	150' S/O 20th	45	
	-150' S/O 20th	20th	50	
		Golden West	-50	
	Golden West	6200' N/O Golden West	50	
	6200' N/O Golden West	800' S/O Warner	55	
	*800' S/O Warner	North City Limits	40-	
Palm	Main	Golden West	30	
	Golden West	Seapoint	35 -40 -	
Parkside	Holt	Edinger	30	
Peninsula	Summit	Garfield	35	
Promenade	Gothard	Main	35 30-	
Rancho	Bolsa Chica	North/East City Limits	40	
Saybrook	Davenport	Humboldt	30	
	Humboldt	Edinger	35 +0-	
17th	РСН	Palm	35	
- ,	Palm	Main	35	
	Huntington	Florida	25	

STREET	BETWEEN			PEED
Seapoint	РСН	Garfield		40
Sher	Juliette Low	Edinger	25	30-
Slater	Graham	Springdale		45
	Springdale	Edwards		45
	Edwards	Golden West		45
	Golden West	Gothard		45
	Gothard	Beach		40
	Beach	Newland		40
Springdale	South City Limit	Talbert		45
	Talbert	Slater		40
	Slater	Warner		45
	Warner	Heil		45
	Heil	Edinger		45
	<u>Edinger</u>	McFadden		45
	McFadden	North City Limits		45
Skylab	West of Rancho Rd	Springdale		40
Summit	Seapoint	Golden West		35
Talbert	West City Limit	Edwards		40
	Golden West	Gothard	*****	40
	Gothard	Beach		45
	Beach	Newland		45
Varsity Drive	Edwards	Talbert	A REPORT OF THE PROPERTY OF TH	30
Ward	Yorktown	Garfield		45
Warner	РСН	Algonquin		50
	Algonquin	Graham		45
	Graham	Edwards		45
	Edwards	Golden West		45
	Golden West	Gothard		45
	Gothard	Beach		45
	Beach	Newland		45
	Newland	Magnolia		45
Yorktown	Golden West	Lake		35
	Lake Street	Beach	40	-35-
	Beach	Newland		40
	Newland	Magnolia		40
	Magnolia	Bushard		40
	Bushard	Brookhurst		45
	Brookhurst	Ward		45

G-2

G-2 15

ATTACHMENT #3



G-217

ATTACHMENT #4

MPH	EB	WB	TOTAL
			0
69			Č
68			C
67			0
66			C
65			C
64			C
63			C
62			C
61			C
60			0 0 0 0 0 0 0 0 0
59	142242424242424242424242424242424242424	-2	0
58			0
57			. 0
56			0
55			
54		2	0 2 0
53			0
52		1	1
70 699 688 677 66 65 64 63 69 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39			0
50	2	1	3
49	2 1 1 2 4 2 3 6 2 2	1	2
48	1	4	5
47		4 2	3
46	2		2
45	4	3	7
44	2	2	0 3 2 5 3 2 7 4 5 11 5
43	3	2	5
42	6	5	11
41	2	3	5
40	2	2	4
39	6	5	11
38		2	6
37	4 3	4	7
36		5	9
38 37 36 35	4 3	3 2 2 5 3 2 2 5 3 2 4 5 2 2 2 5 2	9 5
34		1	1
33	2	2	4
32	2 1		4
31			0
30			0 0 1
29		1	1
28			
27			0 1
26			0
25			0
24			Ō
23			0
22			0
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			0 0 0 0 0 0
ไ วิก			ő

114	mo Engine	aning opec.	a Ourvey		
Street Surveyed	Adams				
Between	Lake and E	Beach	·		
Date Surveyed	Date Surveyed 4/16/2008				
Time Surveyed	11:10am -	11:21am			
85th %	46 M.P.H.				
Pace	36 - 45 M.F	<u>Р.Н.</u>			
% In Pace	69%				
# Of Vehicles	100				
Posted Speed Limit	40				
New Speed Limit	40		***************************************		
Accident Rate (Acc/MVM)	HB=	0.94	STATE=	3.35	
Performed By	Antonio				
App	roved: City	Of Huntingto	on Beach		
		Deter			
Bob S	Stachelski, T		n Manager		
		E. 1651	· · · · · · · · · · · · · · · · · · ·		
Remarks Numerous	alleys, drive	ways, heav	y on street parki	ng,	
limited sig	ht distance.	Existing 45	mph		
east of Be	ach Blvd & 2	5 mph west	of Lake St.		
Combinati	on of design	speed and	adjacent segmei	nt	
speed trar	sition suppo	rts posting a	at 5 mph less tha	ın	
85th perce	entile speed t	for safe and	efficient traffic		
flow and a	flow and access.				

# UI Lailes	[] IMO [] IIIIee [x] IOU [] OIN
Median	[x] Raised [x] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[x] Yes [] No
Land Use	[x] Commercial [] Industrial [] Residential

	Complete section below to ce	ertify a copy of this onginal survey.	
	This document is a correct c	opy of the original in the PW Dept.	
Date	Sign	Title	
	City of Huntington Beach	CA Public Works Department	

MPH	NB	SB	TOTAL
70			0
69			0 0 0 0 0 0 0 0 0 0
68			0
67			0
66 65			0
65			0
64			U
64 63 62 61 60			U
02			
60 60			0
50			n
58	<u>.</u>	 	n
57			n
59 58 57 56 55			0
55			0
54			0
53			0
52 51 50			0
51			0
50	yang panganga pagan at an ang ang	******************************	0 0 0 0 0 0 0 0 0 0 0 0 3 0 1 3 2 5 3 4 6 10
49			0
48			0
47			0
46 45			0
45			
44		3	
43			uu
42 41	1	2	::::::::::::::::::::::::::::::::::::::
40			9
40 39	. 2 3	2	5
38		2	3
37	1 4 3 6		4
36	3	3	6
35	6	4	10
			12
33	2	6	8
32	4	3	7
31	6 2 4 5 1 4 2 2	6 6 3 5 4	10
30	1		5
29	4		4
28	2	5	7
27	2	5 3 2	5
26	2	2	4
25			
24	2		2
23			U A
22			U n
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			12 8 7 10 5 4 7 5 4 0 0 0 0
20			Υ

110	inc Engineer	my Speed	Survey	
Street Surveyed	Algonquin		 	
Between	Warner and	Heil		
Date Surveyed	4/24/2008	***		
Time Surveyed	10:53am - 1	1:12am		
85th %	37 M.P.H.			
Pace	27 - 36 M.P.	Н.		
% In Pace	73%			
# Of Vehicles	101			
Posted Speed Limit	35			
New Speed Limit	35			
Accident Rate (Acc/MVM)	HB=	3.88	STATE=	3.05
Performed By	Antonio			
App	proved: City O	f Huntingtor	n Beach	
Арр	·	-	n Beach	
	E Stachelski, Tra	Date:		
Bob S	E Stachelski, Tra R.T.E	oate: nsportation . 1651	Manager	
Bob S	E Stachelski, Tra R.T.E	oate: nsportation . 1651		limited
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	
Bob S	Etachelski, Tra R.T.E ial/Residential	oate: nsportation . 1651 , school on	Manager street parking,	

# of Lanes	[x] Two [] Three [] Four [] Six Other
Median	[] Raised [x] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[x] Yes [] No
Land Use	[x] Commercial [] Industrial [x] Residential

	Complete section below to certify a copy of this original survey.			
	This document is a correct copy of the original in the PW Dept.			
ate	Sign		Title	
	City of Huntington Beach	CA	Public Works Department	

MPH	WB	EB	TOTAL
70 69 68 67 66 65 64 63 62 61			00000000000
59 58 57 56 55 54 53 52 51	1	1	0 0 0 1 0 0 0 0
50 49 48 47 46 45 44 43 42 41	1	Arrike Arrike	OD = O = O = 0 : 0 4 8 : 5 5 : 9
40 39 38 37 36 35	4 1 3 5 4	2 4 4 4 2 4	
34 33 32 31 30 29 28 27 26 25 24 23 22 21	4 2 6 2 3 1 4 3 3	5 2 6 2 5 1 1 1	9 4 8 2 5 4 3 - 2 1 0 - 0
23 22 21 20	2 1 1		0 10

110	and Engineering Opera curvey		
Street Surveyed	Argosy		
Between	Bolsa Chica and Graham		
Date Surveyed	4/29/2008		
Time Surveyed	8:36am - 8:55am		
85th %	38 M.P.H.		
Pace	30 - 39 M.P.H.		
% In Pace	69%		
# Of Vehicles	98		
Posted Speed Limit	40		
New Speed Limit	40		
Accident Rate (Acc/MVM)	HB= 2.83 STATE= 3.05		
Performed By	Antonio		
Apr	proved: City Of Huntington Beach		
.,	. ,		
	Date:		
Bob S	Bob Stachelski, Transportation Manager R.T.E. 1651		
Remarks Local stre	et on FAU map, low accident rate		
***************************************	- MANAGEMENT		
			

# of Lanes	[x] iwo []	Three	[] Foul	[] Six Office
Median	[] Raised []	Painted	[x] Paint	ed Center Line
Bike Lanes	[] Yes [x]	No		
Grading	[x] Flat []	Sloped	[] OCFC	D Channel
Parking	[x] Yes []	No		
Land Use	[] Commercial	[x]	Industrial	[] Residential

	City of Huntington Beach (CA Public Works Department
Date	Sign	Title
	This document is a correct cop	oy of the original in the PW Dept.
	Complete section below to cert	ify a copy of this onginal survey.

MPH	NB/SB	EB/WB	TOTAL
70			0
69			0
68 67 66 65			0 0 0 0 0 0 0
67			0
66			0
65			0
64 63 62 61 60			0
63			0
62			0
61			0
60			0
59			0
58 57			0
57	<u></u>		0
56		·	0
55			0
56 55 54 53			0
53			0 0 0 0 0 0 1 2 2 2 2 2 8 6 4 8 8 9 10 7 7
52			U
51			U 4
50	: 	1	
49		ź	2
48 47			4 0
47		<u> </u>	9
45		2 0 2 2 2 6 4 8	2 9
45			6
44 43		, O	0
43		ő	o o
42 41		0 6	о 8
40		6	۵
39		9	9
38		10	10
37		7	7
36		9	a d
35		10	10
			10
33		7	7
32		3	3
31		4	4
30		3	3
29		2	2
28		2	2
27		10 7 3 4 3 2 2 5	5
26		2	2
25		1	1
24			0
23			0
22			0
34 33 32 31 30 29 28 27 26 25 24 23 22 21			10 7 3 4 3 2 2 5 5 0 0
20			0

	0 0 1		
Street Surveyed	Banning Ave		
Between	Magnolia St. to Brookhurst St.		
Date Surveyed	4/7/2008		
Time Surveyed	9:25 am to 10:05 am		
85th %	42		
Pace	33 - 42 M.P.H.		
% In Pace	67%		
# Of Vehicles	123		
Posted Speed Limit	35		
New Speed Limit	35		
Accident Rate (Acc/MVM)	HB= 1.05 STATE= 3.05		
Performed By	Jim Escutia		
Арр	proved: City Of Huntington Beach		
Boh S	Date: Stachelski, Transportation Manager		
	R.T.E. 1651		
Remarks Sight dista	ance, design speed and high volumes of		
elementary school pe	elementary school pedestrian traffic support a 5 mph reduction from		
the 85th percentile sp	the 85th percentile speed for safe and orderly movement of vehicles.		
All-way stop at Bushard/Banning. Significant school pedestrian			
activity. Intervening tract entrances with multiple street trees.			
-			

# of Lanes	[x] Two [] T	hree []	Four []S	ix Othe
Median	[] Raised [x]	Painted []	Painted Cer	iter Line
Bike Lanes	[x] Yes [] i	No		
Grading	[x] Flat [] \$	Sloped []	OCFCD Cha	nnel
Parking	[x] Yes [] N	10		
Land Use	[x] Commercial	[] Indust	rial [] Ro	esidential

	Complete section below to cen	ny a copy or this original survey.
This document is a correct copy of the original in the PW Dept.		
Date	Sign	Title
	City of Huntington Beach	CA Public Works Department

MPH	· NB	SB	TOTAL
70			0
69			Ó
68			0
67			O
ŘŔ			ń
68 67 66 65			ň
24			n
27 27			0000000000000
00			
0∠			Ų
61			U
60			Ų
59			0
58			0
57			0 0
56			0
55			0
64 63 62 61 60 59 58 57 56 55 54 53 52 51			0
53			0
52			0
51			0
50			0
49			0001100000000
18			ň
48 47		1	1
47	1	! !	,
46 45			
45			U L
44 43	1		2
43	2		2
42 41	5		10
41	2 5 4 6 3	5 3 3	9
40 39	6	3	9
39	3	3	
38	6	5	11
37	5	5 6	11
36	7	4	11
35	6 5 7 1	4	7
			i
33	4	<u>3</u> 1	3
32		5	5
31	1	2	3
30			7
30		i Significación de la companya de la	7 3 5 3 0 1 0 1 1
29			
28			U
27			1
26			Ų
25			1
24		1	1
23			1
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			Ō
21			0
20			Ö

IIa	inc Engineering Opeed Odivey				
Street Surveyed	Bolsa				
Between	Bolsa Chica and Springdale				
Date Surveyed	4/29/2008				
Time Surveyed	8:59am - 9:13am				
85th %	41 M.P.H.				
Pace	33 - 42 M.P.H.				
% In Pace	82%				
# Of Vehicles	103				
Posted Speed Limit	45				
New Speed Limit	45				
Accident Rate (Acc/MVM)	HB= 0.48 STATE= 2.10				
Performed By	Antonio				
Арр	roved: City Of Huntington Beach				
	_				
Date:					
Bob Stachelski, Transportation Manager R.T.E. 1651					
Remarks Limited ac	cess, low accident rate, 45 mph in				
Westminis	eter				

# of Lanes	[] Two [] Three [] Four [x] Six Othe
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[] Commercial [x] Industrial [] Residential

	City of Huntington Beach (CA Public Works Department	
ate	Sign	Title	
	This document is a correct cop	by of the original in the PW Dept.	
	Complete section below to cert	ify a copy of this original survey.	

MPH	NB/SB	EB/WB	TOTAL
70 69			0 0
68 ~7			0 0 0 0 0 0 0 0 0 3 3 3 5 7 8
66 66			Ö
65	1 7		1
63	0		Ö
62	0		Q 1
68 67 66 65 64 63 60 60 59	0 0 0 1		0
59 58	0		0
57			3
56 55	3		3
54	3 3 3 5 7		5
53 52	<u>7</u>	· ·	7
58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43	. 8 5 4 6 9 9 11		5
50 49	4 6		4 6
48	8		8
47 46	9		9 11
45	15		15
44	14 8		14 8
42	8 9 7		9
42 41 40 39			7
39	3	Enderen () of other and a facilitation and a facilitation of the	5 4 6 8 9 115 14 8 9 7 7 3 4 0 2
38 37 36	4		0
36 35	<u>2</u> 1		2
34			
33	0	<u></u>	0
31			Ö
30) 0 0
28			Ŏ
27 26			0
25			Ō
24			0
22			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
34 33 32 31 30 29 28 27 26 25 24 23 22 21			0

Street Surveyed	Bolsa Chica St.
Between	Edinger Ave to Rancho Rd
Date Surveyed	4/23/2008
Time Surveyed	10:00 am to 10:40 am
85th %	52
Pace	40-49 mph
% In Pace	65%
# Of Vehicles	145
Posted Speed Limit	45
New Speed Limit	50
Accident Rate (Acc/MVM)	HB= 0.46 STATE= 2.40
Performed By	Jim Escutia
Арр	roved: City Of Huntington Beach
	Date:
Bob S	Stachelski, Transportation Manager R.T.E. 1651
Domarka	N.1.L. 1001
Remarks	

- Marie -	
	1.000

# of Lanes	[] Two [] Three [] Four [x] Six Othe
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [x] Industrial [] Residential

This document is a correct copy of the original in the PW Dept.				
Date	Sign	Title		
	City of Huntington Beach	CA Public Works Department		

MPH	NB/SB	EB/WB	TOTAL
70 69			Ő
69			0
68 67 66 66 63 66 66 66 66			0
67			0
66			0
65			0
64			0
63			0
62	1		1
61	0		0
60	1		1
59	0 1 2		2
59 58	0		0
57	3		3
56	3		0 0 0 0 0 0 1 1 2 0 3 3 3 2 3 5
55	2		2
54	3		3
53	3 3 2 3 5 4		5
52	4		4
51	8 15		8
50	15		15
49	6:2 6:5 8:0 9:3 5 2:3 5 2:3 0 0 3		6
48	12		12
48 47	6		6
46	15		15
46 45 44 43 42 41	8		8
44	10		10
43	9		Ç
42	3		3
41	5		5
40	2		2
40 39	3		3
38	0		C
37	3		3
36			C
35			C
34		!	0
33			C
32			C
31			C
30			C
29			i (
28			(
27			C
26			C
25			(
24			(
23			į (
22			C
38 37 36 35 34 32 31 30 29 28 27 26 25 24 23 22 21 20			8 15 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
20			C

Street Surveyed	Brookhurst St			
Between	PCH to Banni	ng		
Date Surveyed	4/7/2008			
Time Surveyed	10:15 am to 1	0:35 am	11. 1	
85th %	52			
Pace	43-52 mph			
% In Pace	72%			
# Of Vehicles	129			
Posted Speed Limit	50			
New Speed Limit	50		ALCONO.	
Accident Rate (Acc/MVM)	HB=	1.24	STATE=	2.40
Performed By	Jim Escutia			
Арр	roved: City Of	Huntingtor	n Beach	
	Da	ate:		
Bob S	tachelski, Trar R.T.E.		Manager	
Remarks				
	·····			

# of Lanes	[] Two [] Three [x] Four [] Six Other
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [] Industrial [x] Residential

	City of Huntington Beach	ÇA	Public Works Department	
ate	Sign		Title	
	This document is a correct of	юру с	f the original in the PW Dept.	
	Complete section below to co	ertify a	a copy of this original survey.	

MPH	NB/SB	EB/WB	TOTAL
70			0
69 68 67			0 0 0
66 65 64			000
67 66 65 64 63 62 61	1 0 0 1		
59	<u></u> 0		n
58	1		1
58 57	1 2 5 3		1 2 5 3 5 5 5 5 5 5 9 4 13 13 9 9 6 5 4 3 1 2 0
56 55	5		5
55	3		3
54 53 52 51 50 49 48 47 46 45	5 5 5		5
53	5		5
52	5		5
51	5		0
40	9 14 13 13		12
48	12		13
47	13		13
46	10		10
45	10		10
44	10		10
43	9		9
44 43 42 41	9		9
41	10 10 10 9 9 6 5		6
40	5		5
40 39		· · · · · · · · · · · · · · · · · · ·	4
38	3 1 2 0		3
37 36 35	1		1
36	2		2
35			
22	0 1 0		1
32	— <u></u>		0
31	1		1
30			0
29			0
28			0
34 33 32 31 30 29 28 27 26 25 24 23 22 21			0
26			0
25			0
24			0
23			0
22			0
21			0 1 0 1 0 0 0 0 0 0
20			0

110	s <u>_</u> g	.g opeca	· · · · · · · ·		
Street Surveyed	Brookhurst St	<u>t</u>			
Between	Banning to At	lanta Ave			
Date Surveyed	4/22/2008			······	
Time Surveyed	10:35 am to 1	1:00 am			
85th %	52				
Pace	44-53 mph				
% In Pace	67%				
# Of Vehicles	153		wa		
Posted Speed Limit	45				
New Speed Limit	45				
Accident Rate (Acc/MVM)	HB=	1.24	STATE=	2.40	
Performed By	Jim Escutia		6-4A	<u> </u>	
Approved: City Of Huntington Beach					
		ate:			
Bob S	Stachelski, Trai R.T.E.	nsportation 1651	Manager		
Remarks Multi-fami	ly residential ar	nd commer	cial frontage.		
Curved roadway secti	ion. Raised me	edian with h	neavy landscap	ing	
limiting sight distance	. Many drivew	ays, both c	ommercial and		
residential with several tract entrance intersections.					
Combination of on-street parking activity and design speed					
support a 5 mph redu	support a 5 mph reduction from the 85th percentile speed to				
facilitate the safe and orderly movement of vehicles.					
			<u></u>		

# of Lanes	[] Iwo [] Inree [] Four [X] Six Other
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[] Yes [x] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[x] Yes [] No
Land Use	[x] Commercial [] Industrial [x] Residential

	City of Huntington Beach	CA	Public Works Department	
ite	Sign		Title	
	This document is a correct of	сору с	of the original in the PW Dept.	
	Complete section below to c	ertify :	a copy of this original survey.	
	Complete section below to co	ertify :	a copy, of this original survey.	

MPH	NB/SB	EB/WB	TOTAL
70			0
69			0
68			0
67			n
66			ň
00			Ü
65			0 0 0 0 0 0 0 0 0 0 2 1
64			0
63			0
62			0
61			0
60			ō
59	<u></u>	2223 23 25 25 25 25 26 26 26 26	2
58	<u>-</u> 1		<u>-</u>
57	0		0
56	1		1
55	1		
54	- 0		0
53	4		4
52	0		0
51	4		4
50	11		11
			1
49	10		10
48	10		10
47	10		10
46	12		12
45	12 9 8 6 5 5 5		10 12 9
44	10		10
43			o o
43			3
42 41	8		ষ
41	ь		б
40	5		5
40 39	5	3.1.0.1.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	5
38	7		7
37			4
26	· · · · · · · · · · · · · · · · · · ·		2
38 37 36 35	4 2 2		2
35	2		
34	0		U
33	0		0
32	0		0
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20	0 0 0 0		9 8 6 5 7 4 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
30	1		1
20			'n
20			n
<u>28</u>			U A
27			Ų
26			0
25			0
24			0
23			ก
22			กั
24			ñ
21			
<u> </u>			υ

Ctroot Curroyad	Brookhurst St		
Street Surveyed			
Between	Atlanta Ave to Adams Ave		
Date Surveyed	4/8/2008		
Time Surveyed	11:10 am to 11:35 am		
85th %	50		
Pace	41 - 50		
% In Pace	71%		
# Of Vehicles	134		
Posted Speed Limit	45		
New Speed Limit	45		
Accident Rate (Acc/MVM)	HB= 1.09 STATE= 2.40		
Performed By	Jim Escutia		
App	roved: City Of Huntington Beach		
Poh S	Date: Stachelski, Transportation Manager		
500 3	R.T.E. 1651		
Remarks Several m	ajor tract entrances. Many elementary and		
middle school pedesti	rians and cyclists, esp. near Indianapolis.		
Heavily landscaped m	nedians and limited sight distance from		
•	ntrances. Sight distance, design speed and		
school pedestrian activity combine to support a posted speed limit			
5 mph below the 85th percentile speed to facilitate the safe and			
orderly movement of vehicle, bicycle and pedestrian traffic.			
			

# of Lanes	[] Two [] Three [] Four [x] Six Other
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [] Industrial [x] Residential

	City of Huntington Beach	CA	Public Works Department	
	Other and the state of the Departs	~ ^	Dublic Marks Demants and	
ate	Sign		Title	
	This document is a correct of	ору с	f the original in the PW Dept.	
	Complete section below to ce	ertify .	a copy of this original survey.	

MPH	NB/SB	EB/WB	TOTAL
70	*****		0
69			0 0
68 67			Ü
67 66			0.0000000000000000000000000000000000000
65			0
64	1		1
64 63	0		0
62	0		0
61	0		0
60			1
59	0		<u> </u>
57	0		- 0
56	0		Ö
62 61 60 59 58 57 56 55 54 53	2	<u> </u>	2
54	0		0
53	3		3
52 51 50	3 5	: :	0 0 2 0 3 3 3 5 4 4 6 0 8 16 9 8 6
51	5		5
49	4 4 6 10 8 18		4
48	6		6
47	10		10
46	8		8
45	18		18
44	11 16		11 48
43	Jo o		10
42 41	9		8
40			6
39	6 4		4
38	4		4
37	2 2 4		4 2 2 4
36 35	2		2
3/		<u> </u>	1
33	o i		
32	1		1
31	1		1
30	<u> </u>		1
29	1		0
28			U
26			ń
34 33 32 31 30 29 28 27 26 25 24 23 22 21			Õ
24			C
23			Ö
22			0
21			0 1 1 1 0 0 0 0 0 0 0 0 0 0
20			1 <u>U</u>

· · ·	ino Enginosting oposa sarroj		
Street Surveyed	Brookhurst St		
Between	Adams Ave to Garfield Ave		
Date Surveyed	4/21/2008		
Time Surveyed	11:25 am to 11:55 am		
85th %	49		
Pace	39 - 48 mph		
% In Pace	71%		
# Of Vehicles	135		
Posted Speed Limit	45		
New Speed Limit	45		
Accident Rate (Acc/MVM)	HB= 1.40 STATE= 2.40		
Performed By	Jim Escutia		
Арр	proved: City Of Huntington Beach		
	Date:		
Bob \$	Stachelski, Transportation Manager R.T.E. 1651		
Remarks Frontage	roads in several sections. Several residential		
tract entrances. Dens	se pockets of commercial driveways near		
	Operational difficulties related to frontage road		
traffic along with pockets of heavy commercial access traffic support			
a posted speed limit 5 mph below the 85th percentile speed for the			
safe and orderly movement of traffic.			

# of Lanes	[] Two [] Three [] Four [x] Six Other
Median	[x] Raised [] Painted [] Painted Center Line
Bike Lanes	[] Yes [x] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [] Industrial [x] Residential

	Complete section below to ce	ertify	a copy of this original survey.	
	This document is a correct c	ору с	of the original in the PW Dept.	
Date	Sign		Title	
	City of Huntington Beach	CA	Public Works Department	

MPH	NB/SB	EB/WB	TOTAL
70	*****		0
69			0
68 67 66			0
6/			U
65			n
64			n
64 63 62 61 60			000000000000000000000000000000000000000
62			0
61			0
60			0
59			0
58 57 56		,	0
57	1		1
55 55	0	<u> </u>	
54	0		0
53			2
52	2 2 4		0 0 2 2 4 5 6 9 6 7 6 9 4 4 1 4 1 4
52 51	4		4
50	5		5
49	5 4 5 6 7 6 9 10 13 9 14		4
48	5		5
47	6		6
46 45	7	<u> </u>	/ 2
45	9		Ο
43	10		r Tr
40	13		13
42 41	ğ		9
40	14		14
40 39	14	And a material aments of all a fig. to the desired	
38 37	11		11
37	8		8 6 6
36	6 6	<u> </u>	6
35			
34	5 2 2 2 0 0		1 2
32	2		2
31	2		2
30	Ō		0
29	Ō		0
28	1		1
27			
26			0
25			0
24			ñ
23			U n
22			'n
20			ő
34 33 32 31 30 29 28 27 26 25 24 23 22 21			5 2 2 2 0 0 1 1 1 0 0 0 0

ıraı	πic Engineeri	ng Speed	Survey	
Street Surveyed	Bushard Stre	et		
Between	Brookhurst S	t to Hamilto	n Ave	
Date Surveyed	4/21/2008		Market Market Control of the Control	
Time Surveyed	9:00 am to 9:	40 am		
85th %	47			<u>-</u>
Pace	37 -46			
% In Pace	65%			
# Of Vehicles	155			
Posted Speed Limit	45	±.88*		
New Speed Limit	40			
Accident Rate (Acc/MVM)	HB=	0.38	STATE=	2.10
Performed By	Jim Escutia			
App	roved: City O	f Huntingtor	ı Beach	
		ate:		
Bob 8	Stachelski, Tra R.T.E	пѕропаноп . 1651	wanager	
Remarks Pockets o	f on-street par	king. Arteri	al-arterial all-wa	y stop
at Banning Ave. Sub	stantial school	age pedest	rian and bicycle	e traffic.
Southern street section				
curvature. Limited sig	ght distance in	residential	areas with on-s	treet
parking, reducing des	ign speed.			

Combination of school pedestrian and bicycle activity, visibility of

speed limit 5 mph below 85th percentile speed for the safe and

orderly flow of vehicle, bicycle and pedestrian traffic.

all-way stop control and design speed support a reduction in posted

# of Lanes	[] Two [] Three [x] Four [] Six Othe
Median	[] Raised [x] Painted [x] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[x] Yes [] No
Land Use	[] Commercial [] Industrial [x] Residential

	City of Huntington Reach	CA	Public Works Department	
e	Sign		Title	
	This document is a correct c	ору с	f the original in the PW Dept.	·
	Complete section below to ce	ertify a	a copy of this original survey.	

MPH	NB/SB	EB/WB	TOTAL
70 69			0
69 68 67 66 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47			0.
62 61 60 59			0000
58	1		
57	0		0
56	1		1
55	U		0
54 53	2		2
52	0 1 0 2 2 3 3 0 3 4 4 7		0 1 0 2 2 3 0 3 4 4 4 7 5 1 1 8 7 5 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
51	0		0
50	3		3
49	4		4
48	4		4
47			
46	9		9
46 45 44 43	9 18		15
43	15 11 11 8 13 8		11
42	11		11
42 41	8		8
40	13		13
39			8
38	7		7
37	5		5
36 35	3 4		. 3
			4
33	1		1
32	0		
31	0		1
30	0	de la constitución de la marma mante que presente de que que que la constitución de	0
29	0		1
28			0
34 33 31 30 29 28 27 26 25 24 23 22 21 20			U A
25 25			0
20			n
23			Ŏ
22			0
21			0 1 0 1 0 0 0 0 0 0
20			Ō

Street Surveyed	Bushard Street			
Between	Hamilton Ave to Indianapolis Ave			
Date Surveyed	4/21/2008			
Time Surveyed	10:10 am to 10:40 am			
85th %	47			
Pace	38 - 47			
% In Pace	73%			
# Of Vehicles	131			
Posted Speed Limit	45			
New Speed Limit	40			
Accident Rate (Acc/MVM)	HB= 0.46 STATE= 2.40			
Performed By	Jim Escutia			
Api	proved: City Of Huntington Beach			
	Date:			
Bob	Stachelski, Transportation Manager R.T.E. 1651			
Remarks Substanti	ial elementary and middle school pedestrian,			
bicycle and vehicle tr	raffic in northern portion of segment. Several			
major residential trac	ct entries. Adjacent park between Hamilton			
and Atlanta. Crossin	ng guard south of Indianapolis Ave.			
Significant school pe	Significant school pedestrian and bicycle activity outside of posted			
formal school zone s	supports a 5 mph of posted speed below the 85th			
percentile speed to fa	acilitate the safe and orderly movement of			
vehicle, bicycle and	pedestrian traffic.			

# of Lanes	[] Two [] Three [x] Four [] Six Other
Median	[] Raised [x] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use .	[] Commercial [] Industrial [x] Residential

	Complete section below to certify a copy of this original survey.				
	This document is a correct of	ору с	of the original in the PW Dept.		
Date	Sign		Title		
	City of Huntington Beach	CA	Public Works Department		
				$\overline{}$	

мрн	NB/SB	EB/WB	TOTAL
70 69			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
69			0
68			Ö
67			Ö
ee.			ñ
GE GE			ñ
C 4			ň
0 4	+		ň
ေဝ၁			U A
62			Ü
61			U
60			Ď
59		ļ <u>.</u>	U
58			0
57			0
56			0
55			0
54			0
53	1		1
52			3
68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51	3 1	i	1
50		i	2
49	2 3 5 4 8 9		2
49			7
48			3
48 47 46 45	4		4
46	8		8
45	9		H
44	7		7
43	11		11
42	10		10
41	9		9
40	9		9
43 42 41 40 39	11 10 9 5 3 4 4 2	gaya naza da	5
38	3		3
37			4
20	:		1
38 37 36 35		 	''
		<u> </u>	2
34 33 32 31 30 29 28 27 26 25 24 23 22 21	0		
33	0	1	Ž
32	0		1 0
31	<u> </u>		<u> 1</u>
30			0
29			0
28			0
27			Ö
26			. O
25			Ō
2U			ň
24			6
23			**************************************
22			
21			
20			Ų

Street Surveyed	Bushard Str	-eet		····
Between	Indianapolis Ave to Yorktown Ave			
Date Surveyed	4/21/2008			
Time Surveyed	9:40 am to	10:05 am		<u></u>
85th %	47			
Pace	39 - 48			
% In Pace	75%			
# Of Vehicles	103			
Posted Speed Limit	45			
New Speed Limit	40			
Accident Rate (Acc/MVM)	HB=	0.13	STATE=	2.40
Performed By	Jim Escutia	<u> </u>		·
Арр	roved: City	Of Huntingto	n Beach	
Date:				
Bob S	Stachelski, Tr R.T.	ansportation E. 1651	n Manager	
Remarks Uncontrol	ed crossing	at Yellowsto	ne with significa	nt
school pedestrian and	d adult pedes	trian activity	to adjacent sch	100
and park. Crossing g	uard near Yo	rktown at u	ncontrolled inter	section.
Several major resider				
Significant school ped				
of 5 mph from the 851				
orderly movement of				

	·····		· · · · · · · · ·	• enu

# of Lanes	[] Two [] Three [x] Four [] Six Othe
Median	[] Raised [x] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[] Commercial [] Industrial [x] Residential

		~ ^	Public Works Department			
Date	Sign		Title			
	This document is a correct c	ору с	f the original in the PW Dept.			
	Complete section below to certify a copy of this original survey.					

MPH	NB/SB	EB/WB	TOTAL
70			0
69			0 0 0 0 0 0 0 0 0 0 0
68 67			0
67 66			0
65			0
64			0
63			0
62 61			0
61 *^			. U
60 59			O O
58			0
58 57	<u> </u>		0
56 55	2		2
55	0		0
54 53 52 51 50	1		1
53	3		4 3
52 51	ა 8		8
50	3		3
49	8 3 8 9 9 8 7 7 11 9 8 8 5 5		8
48 47	9		9
47			9
46 45	8		8
45	<i>f</i>		8 3 9 9 9 8 7 7 1 1 9 8 3 3 0 0
44	11		
42	9		9
41	8		8
40	8		8
44 43 42 41 40 39 38 37 36 35			5
38	3	·	3
36	0		: 3
35	0		
	4		4
33			0
32			0
31			ļ
30			n
28			0
27			Č
26			C
25			C
24			C
23			
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			ř
20			000000000000000000000000000000000000000

Street Surveyed	Bushard Street		
Between	Yorktown Ave to Garfield Ave		
Date Surveyed	4/22/2008		
Time Surveyed	10:45 am to 11:10 am		
85th %	50		
Pace	40 - 49		
% In Pace	69%		
# Of Vehicles	120		
Posted Speed Limit	45		
New Speed Limit	45		
Accident Rate (Acc/MVM)	HB= 0.10 STATE= 2.40		
Performed By	Jim Escutia		
App	proved: City Of Huntington Beach		
	Date:		
Bob S	Stachelski, Transportation Manager R.T.E. 1651		
Remarks Speed lim	nits in adjacent segments 40 mph to south		
and 45 mph to north i	in Fountain Valley. Adjacent park in middle of		
segment. OCFD cha	nnel adjacent to park reduces overall design		
speed and limits sigh	t distance from major tract entrances.		
Speed limit transition	between segments and design speed		
	ment support a reduction of posted speed limit		
below the 85th percentile for the safe and orderly flow of traffic.			
-			

# of Lanes	[] Two [] Three [x] Four [] Six Other
Median	[] Raised [x] Painted [] Painted Center Line
Bike Lanes	[x] Yes [] No
Grading	[x] Flat [] Sloped [x] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [] Industrial [x] Residential

	City of Huntington Beach	CA	Public Works Department	
ate	Sign		Title	
	This document is a correct of	ору с	f the original in the PW Dept.	
	Complete section below to ce	ertify	a copy of this original survey.	

70	WB	EB	TOTAL
70	.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e.e	; }};	0
69			U
68			U 6
07			v n
65			o O
64			n
63			Ô
62			0
61			0
60			0
59			0
58		,	0
57			0
56			Ü
55			. U
70 69 68 67 66 65 62 60 59 58 57 56 55 54 53 52 51			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
52			Ö
51			0
50			0
49			0
48 47			0
47			0
46			, i
46 45 44 43 42 41			: U
44	1		
43	2		9
41	1 2 3	2	5
40	2 1	2 4 4	6
39	1	i contract of the contract of	5
38	4	3	7
37	4	4	8
36	3	4	7
35	4	3	-
<u>১4</u>	5 4 3 3 1 1 4 2	2 4 8 3 3 2	<u> </u>
32	3	8	11
31	3	3	6
30	1	3	4
29	4	2	6
28	4	3	7
27	2	1	3
26	<u> </u>		
25			
24		4	
23			1
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20		1	6 11 6 4 6 7 3 1 0 0

Street Surveyed	Center				
Between	Gothard and I-405 Ramp				
Date Surveyed	4/29/2008				
Time Surveyed	10:40am - 10:58am				
85th %	39 M.P.H.				
Pace	31 - 40 M.P.H.				
% In Pace	69%				
# Of Vehicles	104				
Posted Speed Limit	35				
New Speed Limit	35				
Accident Rate (Acc/MVM)	HB= 1.18 STATE= 3.35				
Performed By	Antonio				
Approved: City Of Huntington Beach					
	Date:				
Bob Stachelski, Transportation Manager R.T.E. 1651					
Remarks Old World	l Center and Mall, no on street parking, two				
way left turn lane. Lo	ocal street on FAU map. Low design				
speed due to roadwa	y alignment. Golden West College access.				
Design speed limitation	ons of roadway support a posted speed limit				
5 mph below the 85th	n percentile for the safe and orderly movement				
of traffic.					
•					
113011132-71					

# of Lanes	[] Two [] Three [x] Four [] Six Other
Median	[] Raised [x] Painted [] Painted Center Line
Bike Lanes	[] Yes [x] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[] Yes [x] No
Land Use	[x] Commercial [] Industrial [] Residential

	Complete section below to ce	ertify a copy of this original survey.
	This document is a correct of	opy of the original in the PW Dept.
Date	Sign	Title
	City of Huntington Beach	CA Public Works Department

МРН	NB	SB	TOTAL
70	**		Ò
69			0
68			0
67			0
66			Ô
65			ñ
64			
62	+++++		n
63 62 61 60			9
04			v
0			
60			Ŏ
59			<u> </u>
58	·		0
57			0
56 55			0
55			0 0 0 0 0
54 53			0
53			0
52			0
51		· ————————————————————————————————————	0
50		<u> </u>	0
49			0
48			Ō
47	1		1
46			ſ
45			ñ
44			0 0 0 0 0 0 0 0 0 0
43			
43			Ž
42			0
41			
40			ž
39			
38			0
37		1	1
36	,		0
35			0
34	1		1
33	1	2	3
32	1	2	3
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20	4	2 2 4 4 2 5 6	8
30	4 2 1 4 4 4 3	4	6
29	1	2	3
28	4	6	10
27	4		4
26		1	2
25		9	ลิ
2/	3	1 2 3	ž
22	2		
23			0
22			3
21			1 3 3 8 6 3 10 4 2 3 6 1 1 3
20			4V

110	mo Engineering opeou ourrey			
Street Surveyed	Channel			
Between	Admiralty and Gilbert			
Date Surveyed	4/25/2008			
Time Surveyed	3:10pm - 4:00pm			
85th %	31 M.P.H.			
Pace	24 - 33 M.P.H.			
% In Pace	86%			
# Of Vehicles	56			
Posted Speed Limit	30			
New Speed Limit	30			
Accident Rate (Acc/MVM)	HB= 0.00 STATE= 3.05			
Performed By	Antonio			
Approved: City Of Huntington Beach				
	Date:			
Bob Stachelski, Transportation Manager R.T.E. 1651				
Remarks Dip				
Local stre	et on FAU map			
	And the second s			

# of Lanes	[x] Two [] Th	ree [] Four	[] Six Othe
Median	[] Raised [] Pa	ainted [x] Pa	inted Center Line
Bike Lanes	[] Yes [x] N	0	
Grading	[x] Flat [] S	loped [] OC	FCD Channel
Parking	[x] Yes [] N	D	
Land Use	[] Commercial	[] Industrial	[x] Residential

	City of Huntington Beach	CA	Public Works Department	
Date	Sign		Title	
	This document is a correct of	ору с	of the original in the PW Dept.	
	Complete section below to ce	ruiy a	a copy of this original survey.	

MPH	EB		WB	TOTAL
70				0
69				000000000000000000000000000000000000000
68				Ō
67				0
67 66				0
65 64				0
64				0
63				ń
62		****		ň
61				ñ
61 60				n
59				<u> </u>
59		!		0
58				0
57				U
56				0
55	<u></u>			0
54				0
53				0
52				0 0 0 0 0 0 0 0 0 0
51				0
50				0
49				Q
48				0
47				0
46				0
45				0
44				0
43				O
42				Ô
42 41				Õ
40				7
39				0
30				0
38 37		2	2	4
3/		2 5	2 3	4 8
36		þ	3	8
35				
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			9 3 4 4 8 2	10
33		2 4	3	<u> </u>
32		4	4	<u>8</u>
31			4	4
30		8 7 3 5	8	16
29		7	2	9
28		3	5	
27		5		5
26			2	2
25		3		3
24			2	2
23		ı	1	$\bar{2}$
22			2 1 1 3	1
21			l a	3
ี วิก		1		0 16 5 8 4 16 9 9 15 12 13 12 13 12 12 13
			<u></u>	<u> </u>

110	mo Engineering opera carrey		
Street Surveyed	Clay		
Between	Main and Beach		
Date Surveyed	4/16/2008		
Time Surveyed	12:22pm - 12:53pm		
85th %	33 M.P.H.		
Pace	27 - 36 M.P.H.		
% In Pace	81%		
# Of Vehicles	97		
Posted Speed Limit	30		
New Speed Limit	30		
Accident Rate (Acc/MVM)	HB= 14.47 STATE= 3.05		
Performed By	Antonio		
Approved: City Of Huntington Beach			
, ,	, ,		
	Date:		
Bob Stachelski, Transportation Manager R.T.E. 1651			
Remarks Multiple S	TOP controls, on street parking		
Accident rate exceed	expected by a substantial amount.		
	nsity of parking activity along street support		
	5 mph below the 85th percentile speed to		
	orderly movement of traffic.		
Tacillato tro caro arra			
	A Live		

# of Lanes	[x] Two	[]	Three	[] Four	[] Six	Othe
Median	[] Raised	[]	Painted	[x] Pain	ted Center	Line
Bike Lanes	[] Yes	[x]	No			
Grading	[x] Flat	[]	Sloped	[] OCF	CD Channe	el
Parking	[x] Yes	[]	No			
Land Use	[] Comme	rcial	[] in	dustrial	[x] Resid	dential

		opy of the original in the PW Dept.
	77.10 2002111011110 2 0017001	
Date	Sign	Title
	City of Huntington Beach	CA Public Works Department

MPH	NB	SB	TOTAL
70			0
69			O
68			0
67			0
66			ń
85			ñ
6A			ñ
ເລ			กั
ေ			n
64			ñ
60			ň
ο υ			2
59		ļ	0
68 67 66 65 64 63 62 61 60 59 58 57			- 0
57			<u>\</u>
56			<u> </u>
55 54 53			<u> </u>
54			<u> </u>
53			
52			0
51			0
50			0
49			0
48			0
47			0
46			0
45			Q
44			0
43			Ö
42			Q
42 41			0
40		2	2
39	1	i 	00.0.0.0.0.0.0.0.0.0.2.1
38	i	1	1
38 37	i	1	1
36	1		1
35	1	 	1
	1	2	
33	1	<u> </u>	1
32	1	2	3
31	2		2
30			2
20	5	2	3
28	2 1 2		ž
27	9		********* 5
26			i i
25	1		*
20		1	i i
22	1		
23			'n
22			n K
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20			3 2 2 3 4 2 3 6 4 6 0 0
			i i i i i i i i i i i i i i i i i i i

Street Surveyed	Coldwater
Between	Adams and Yorktown
Date Surveyed	4/23/2008
Time Surveyed	10:00am - 10:40am
85th %	37 M.P.H.
Pace	27 - 36 M.P.H.
% In Pace	70%
# Of Vehicles	27
Posted Speed Limit	30
New Speed Limit	30
Accident Rate (Acc/MVM)	HB= 3.30 STATE= 3.05
Performed By	Antonio
App	proved: City Of Huntington Beach
	Deter
	Date:
Bob S	Stachelski, Transportation Manager R.T.E. 1651
	Stachelski, Transportation Manager
Remarks On street	Stachelski, Transportation Manager R.T.E. 1651
Remarks On street	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal
Remarks On street average. Adjacent pa	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal
Remarks On street average. Adjacent pa curves with 400 foot of Design speed and ac	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal centerline radii.
Remarks On street average. Adjacent pa curves with 400 foot of Design speed and ac	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal centerline radii.
Remarks On street average. Adjacent pa curves with 400 foot of Design speed and ac	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal centerline radii.
Remarks On street average. Adjacent pa curves with 400 foot of Design speed and ac	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal centerline radii.
Remarks On street average. Adjacent pa curves with 400 foot of Design speed and ac	Stachelski, Transportation Manager R.T.E. 1651 parking, accident rate slightly higher than ark along 2/3 of segment. Three horizontal centerline radii.

# of Lanes	[x] Two	[]	Three	[] Four	[] Six	Othe
Median	[] Raised	[]	Painted	[x] Pain	ted Center	Line
Bike Lanes	[] Yes	[x]	No			
Grading	[x] Flat	[]	Sloped	[] OCF	CD Channe	el
Parking	[x] Yes	[]	No			
Land Use	[] Comme	rcial	[] In	dustrial	[x] Resid	dential

	City of Huntington Beach	CA	Public Works Department	
ate	Sign		Title	
	This document is a correct co	ору с	f the original in the PW Dept.	
	Complete section below to cel	ruiy	a copy of this original survey.	

MPH	NB	SB	TOTAL
70			0
69			0
68			0
67			0
66			ō
65			O.
64			n
63			ñ
62			ñ
61			ř
60			o O
59			
			0
58			0
57			
56			
55			0
54			ļō
53			0
52			0
51			0
50			
49			0
48			0
47			0
46			0
45			0
44			0
43			0
42 41			0
41		1	1
40			0 1
39	1	ye isinda kalanda madalaha kalanda (1907). 	
38			0
38 37			0
36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21		1	1
35	2		2
34	2	4	5
33	4	1	5
32	. 2	4	6
31	2	4	6
30	4	4	8
29	4	3	7
28	2	4	6
27	4 2 2 4 2.5.3 5.2 6 4.3	1 4 4 3 3 6 5	8
26	3	6	9
25	5	5	10
24	5	2	4
23	i i i i i i i i i i i i i i i i i i i	$\overline{2}$	i in
20	, v		и и
24		4	, , , , , ,
20		1 2	2 5 5 6 6 8 8 9 10 4 4 2
		<u> </u>	

Street Surveyed	Countess
Between	Portofino and Edinger
Date Surveyed	4/25/2008
Time Surveyed	2:45pm - 2:58pm
85th %	32 M.P.H.
Pace	23 - 32 M.P.H.
% In Pace	75%
# Of Vehicles	97
Posted Speed Limit	30
New Speed Limit	30
Accident Rate (Acc/MVM)	HB= 3.00 STATE= 3.05
Performed By	Antonio
Арр	proved: City Of Huntington Beach
	Date:
Bob S	Stachelski, Transportation Manager R.T.E. 1651
Remarks Local stre	et on FAU map, average accident rate
Juliania	
	WANTER TO THE PARTY OF THE PART
	1 de la company

# of Lanes	[x] Two	[]	Three	[] Four	[] Six	Othe
Median	[] Raised	[]	Painted	[x] Pair	ited Center	Line
Bike Lanes	[] Yes	[x]	No			
Grading	[x] Flat	[]	Sloped	[] OCF	CD Chann	el
Parking	[x] Yes	[]	No			
Land Use	[] Comme	rcial	[] Ir	dustrial	[x] Resi	dential

	City of Huntington Beach	h CA Public Works Department	
te	Sign	Title	
	This document is a correct of	copy of the original in the PW Dept.	
	Complete section below to c	certify a copy of this original survey.	

MPH	WB	EB	TOTAL
70			0
69 68 67 66 65 64 63 62 61 60			
50 50			n N
58 57			Ö
57			0
56 55			0
54			
53			0
52 51			0 0 0
50			0
49			ololololo
48 47			0
46			0
45			0
44 43		· · · · · · · · · · · · · · · · · · ·	0
42 41			0
41	1		10.000.000.000.000.000.000
40 39		1	0
38	1	2	•
37	1		3
36 35	4	3 2	3 6
33	6	6	12
32	5	3	8
30	8	7	15
29	1	2	3
28	5 5	6	11
26	- Z	3	6 6
25	3 6 5 2 8 1 5 2 3 2 3 2	6 3 3 7 2 6 3 3 4 1	6
24	3	1	4
23			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
34 33 32 31 30 29 28 27 26 25 24 23 22 21 20		1	4 12 8 5 15 15 6 6 4 4
20			0

	gg -p,				
Street Surveyed Davenport					
Between Edgewater and Algonquin					
Date Surveyed	4/24/2008				
Time Surveyed 11:19am - 11:45am					
85th %	34 M.P.H.				
Pace	26 - 35 M.P.H.				
% In Pace	74%				
# Of Vehicles	101				
Posted Speed Limit	35				
New Speed Limit	35				
Accident Rate (Acc/MVM)	HB= 0.00 STATE= 3.05				
Performed By	Antonio				
App	roved: City Of Huntington Beach				
]	, ,				
	Date:				
Bob S	Stachelski, Transportation Manager R.T.E. 1651				
Remarks Local street on FAU map, low accident rate, curves					
	•				

# of Lanes	[x] Two [] Three [] Four [] Six Othe
Median	[] Raised [] Painted [x] Painted Center Line
Bike Lanes	[] Yes [x] No
Grading	[x] Flat [] Sloped [] OCFCD Channel
Parking	[x] Yes [] No
Land Use	[] Commercial [] Industrial [x] Residential

	City of Huntington Beach	CA	Public Works Department	
ate	Sign		Title	
	This document is a correct o	ору с	of the original in the PW Dept.	
	Complete section below to ce	ertify .	a copy of this original survey.	

MPH	SB	NB	TOTAL
70			0
69 68 67 66 65			0 0 0 0
70 68876654321 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 43 42 41 40 39 38 37 36			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
58 57 56			0
55 54			0
53 52 51	1	1	1 1
50			0
49 48	2	1	3 0 9
46 45	1 2	2	32
44 43 42	2 11 2 4 2 1 1 5	2	7 4 1
41 40 39	5 2 7	4 2 5	4 12
38 37 36	4 3 5 4	1 4 4	5 7
35	4	4 2	
33 32 31	3	3 3 1 2	6 3 1
30 29			2 0
34 33 32 31 30 29 28 27 26 25 24 23 22 21		11 12 13 13 13 13 13 13 13 13 13 13 13 13 13	6 6 3 1 1 2 2 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0
24 23 22 21 20			0 0 0 0

Street Surveyed	Delaware			
Between	Atlanta and Adams			
Date Surveyed	4/16/2008			
Time Surveyed	10:43am - 11:03am			
85th %	43 M.P.H.			
Pace	32 - 41 M.P.H.			
% In Pace	66%			
# Of Vehicles	101			
Posted Speed Limit	35			
New Speed Limit	35			
Accident Rate (Acc/MVM)	HB= 3.27 STATE= 3.05			
Performed By	Antonio			
Approved: City Of Huntington Beach				
App	roved: City Of Huntington Beach			
App				
	Date: Stachelski, Transportation Manager			
	Date:			
Bob S	Date: Stachelski, Transportation Manager			
Bob s Remarks Heavy on	Date: Stachelski, Transportation Manager R.T.E. 1651			
Bob s Remarks Heavy on and multi-family resid	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family			
Remarks Heavy on and multi-family resid	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic,			
Remarks Heavy on and multi-family resid Public active use parl improved sidewalk ar	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic, a near Detroit Ave. Significant portions without			
Remarks Heavy on and multi-family resid Public active use parl improved sidewalk ar higher than average.	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic, a near Detroit Ave. Significant portions without d pedestrians walking in street. Accident rate Sight distance restrictions at several intersections			
Remarks Heavy on and multi-family resid Public active use parl improved sidewalk ar higher than average.	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic, a near Detroit Ave. Significant portions without d pedestrians walking in street. Accident rate			
Remarks Heavy on and multi-family resid Public active use parl improved sidewalk ar higher than average. due to parking demar along with elevated a	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic, a near Detroit Ave. Significant portions without d pedestrians walking in street. Accident rate Sight distance restrictions at several intersections d. Pedestrian and sight distance conditions, ecident rate support a speed posting 5 mph less			
Remarks Heavy on and multi-family resid Public active use parl improved sidewalk ar higher than average. due to parking demaralong with elevated a	Date: Stachelski, Transportation Manager R.T.E. 1651 street parking use with single family ential frontage. Significant pedestrian traffic, a near Detroit Ave. Significant portions without d pedestrians walking in street. Accident rate Sight distance restrictions at several intersections d. Pedestrian and sight distance conditions, ecident rate support a speed posting 5 mph less ile speed for the safe and orderly movement of			

# of Lanes	[x] Two [] Three	[] Four	[] Six	Other
Median	[] Raised [] Painted	[x] Paint	ed Center	Line
Bike Lanes	[] Yes [)	c] No			
Grading	·[x] Flat [] Sloped	[] OCFC	D Channe	el
Parking	[x] Yes [] No			
Land Use	[] Commerci	al [1] İr	ndustrial [x1 Resid	dential

	City of Huntington Beach	CA	Public Works Department		
Date	Sign		Title		
	This document is a correct of	ору о	f the original in the PW Dept.		
	Complete section below to certify a copy of this original survey.				